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Amendments to the claims:

1. (canceled)

2. (canceled)

3. (canceled)

4. (previously presented) An inductor comprising:

a coil form having a conical portion with a tip;

an integrated contact comprising a plated tip portion disposed on the tip of the coil form comprising a first gold layer, a nickel layer disposed on the first gold layer, and a second gold layer disposed on the nickel layer; and

an inductor coil wound around the coil form and electrically coupled to the integrated contact.

5. (original) The inductor of claim 4 wherein the coil form comprises polyiron.

6. (currently amended) ~~The inductor of claim 3 further comprising An inductor comprising:~~

a polyiron coil form having a conical portion with a tip;

an integrated contact disposed on the tip of the polyiron coil form comprising a plated tip portion;

an inductor coil wound around the polyiron coil form and electrically coupled to the plated tip portion; and

a groove in the plated tip portion of the polyiron coil form.

7. (currently amended) The inductor of claim [[3]] 6 wherein an end of the inductor coil is soldered to the plated tip portion of the polyiron coil form.

8. (currently amended) The inductor of claim 7 wherein the inductor coil is wound not more than one turn around the plated tip portion of the polyiron coil form.

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9. (currently amended) The inductor of claim [[1]] 6 wherein the inductor coil has a narrow end with an inside diameter, an outside diameter of the integrated contact being essentially equal to the inside diameter of the narrow end of the inductor coil.

10. (currently amended) The inductor of claim [[1]] 6 wherein the integrated contact has a hemispherical radius not greater than 250 microns.

11. (canceled)

12. (previously presented) An inductor comprising:

a polyiron coil form having a conical portion and a plated tip portion comprising a gold barrier layer proximate to the polyiron coil form, a nickel layer disposed on the gold barrier layer, and a gold layer disposed on the nickel layer; and

an inductor coil wound around the conical portion of the coil form wherein an end of the inductor coil is soldered to the plated tip portion.

13. (currently amended) ~~The inductor of claim 11 further comprising An inductor comprising:~~

a polyiron coil form having a conical portion and a plated tip portion;

an inductor coil wound around the conical portion of the coil form; and

a groove in the plated tip portion of the polyiron coil form, the end of the inductor coil being soldered in the groove of the plated tip portion.

14. (currently amended) The inductor of claim [[11]] 13 wherein the inductor coil is wound not more than one turn around the plated tip portion of the polyiron coil form.

15. (currently amended) The inductor of claim [[11]] 13 wherein the plated tip portion has a hemispherical radius not greater than 250 microns.

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16. (original) An inductor comprising:

a polyiron coil form having a conical portion and a plated tip portion with a groove; and

an inductor coil wound around the conical portion of the coil form, and end of the inductor coil being soldered to in the groove of the plated tip portion, wherein the inductor coil is wound not more than one turn around the plated portion of the coil form.

17. (original) The inductor of claim 16 wherein the plated tip portion has a radius not greater than 250 microns.